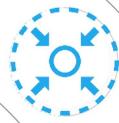




MC-5L42



Compact Design

Space-optimized for confined environments: Ideal for small labs/policy institutes, fits seamlessly under workbenches



Eco-Efficient Cooling

R600a (HC)refrigerant:Near-zero GWP
Energy consumption: ≤0.65kWh/24h



Precision Temp. Control

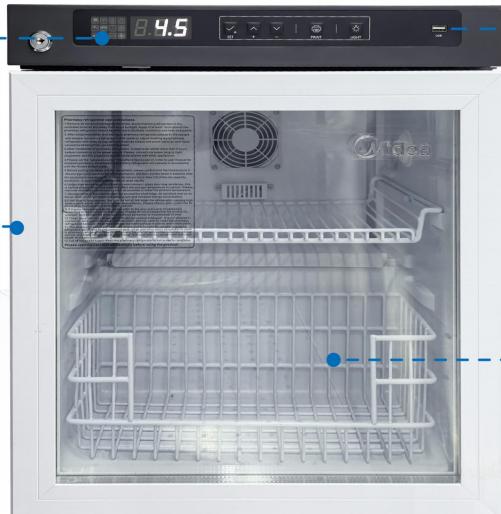
Uniformity of $\pm 1^{\circ}\text{C}$: Ensures sample integrity throughout the chamber

Display panel



USB Port

Built-in handle

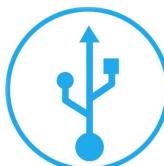


LOW-E glass door



Multiple Alarm

Multi-tier alerts (audible/visual/remote) with power/sensor/door/high/low temp./battery monitoring



Std: USB | Opt: RS485

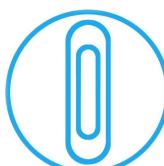


Low E Glass



Opt:Reversible Door

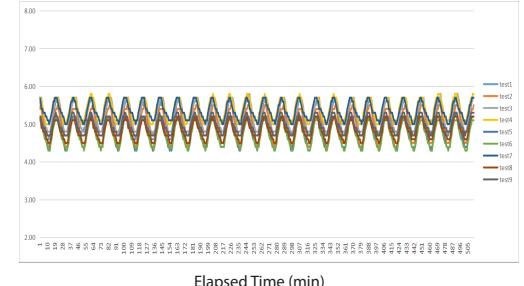
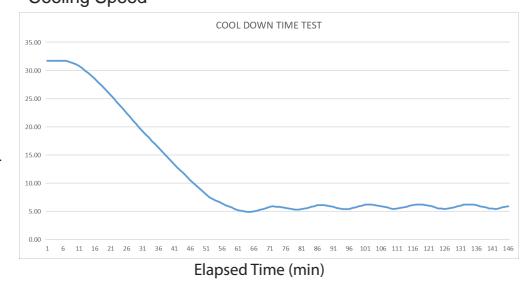
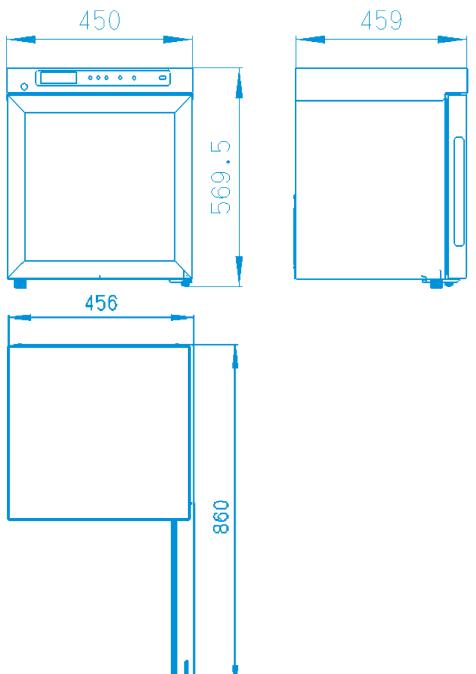
REVERSIBLE DOOR

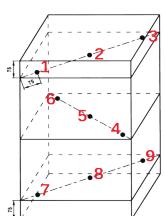


Built-in Handle



Forced-Air Cooling
No Frost

Application, Rating, & Electrical Data		Performance Characteristics (normal operating conditions)	
Application	Pharmacy refrigerator	Uniformity (°C)	±1.0
Storage Volume (L/Cu.ft)	42/1.48	Recovery to 8°C after 1 min door opening (min)	7.5
Temperature Range	2°C ~ 8°C	Temperature fluctuation (°C)	≤3
Default Set Point	5°C	Energy consumption (kWh/day)	0.65
Power	115V/60Hz 220-240 ~ V/50Hz 220-240 ~ V/60Hz	Noise emission (dB)	45
Current	1.5A 0.75A 0.75A	Heat rejection (BTU/hr)	460
Power Cord Length	1.7m	Pull-down time to 6°C (min)	70
Certification	CE/UL/ ENERGY STAR/ NSF/ANSI 456	All performance data from 42L refrigerator, 25 ambient, 5.0°C	
Door type	Low-E Glass Door	Uniformity	
Application Environment	Non-corrosive, non-flammable, non-explosive	Temperature °C	Elapsed Time (min)
Ambient Operating Temperature	16°C ~ 32°C		
Refrigeration		Cooling Speed	
Refrigeration System	Forced-air/hydrocarbon Refrigerant	Temperature °C	Elapsed Time (min)
Compressor	Hermetic		
Condenser Type	Built-in		
Expansion Device	Capillary tube		
Evaporator Type	Plate Evaporator		
Defrost Method	Automatic		
Refrigerant	R600a		
Controller / Configuration Settings		Dimensions	
Display screen	LED	Dimensions	
Controller Type	Microprocessor	Interior (w*d*h)	380*300*410 mm
Security	Lockable door, password protected settings	Exterior (w*d*h)	450*459*569.5 mm
Control Sensor	NTC, stainless steel	Access Port	N
Communication Ports	USB, Remote alarm contacts	Shelf/Drawer	Shelf*1 +Drawer*1 12 kg max capacity/shelf
Power Failure Alarm	Yes	Leveling Feet	Y
High/Low Alarms	Yes, fully adjustable	Net Weight	23 kg
Door Ajar Alarm	Yes, fully adjustable	Gross Weight	25 kg
Min/Max Temperature	Yes, display and reset		



Typical Temperature Map

	test1	test2	test3	test4	test5	test6	test7	test8	test9
Avg	4.88	5.24	5.15	4.13	4.32	4.92	4.71	4.78	5.37
Max	5.30	5.60	5.50	4.80	4.70	5.20	5.00	5.10	5.70
Min	4.40	4.90	4.70	3.50	4.00	4.60	4.40	4.40	5.10

Location of test probes

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